Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	841	455/194.2 or 455/127.2 or 455/232.1	US-PGPUB; USPAT; EPO	OR	ON	2005/10/31 10:22
L2	403	1 and (gain near3 control$4).clm.	US-PGPUB; USPAT; EPO	OR	ON	2005/10/31 10:23
L3	3	2 and (power near5 ratio near5 monitor$3).clm.	US-PGPUB; USPAT; EPO	OR	ON	2005/10/31 10:23
L4	1	3 and (squar$3 near3 circuit).clm.	US-PGPUB; USPAT; EPO	OR	ON	2005/10/31 10:24

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  - L3: (3) 2 and (power near5 ratio near5 monitor$3).clm.
  - L4: (1) 3 and (squar$3 near3 circuit).clm.
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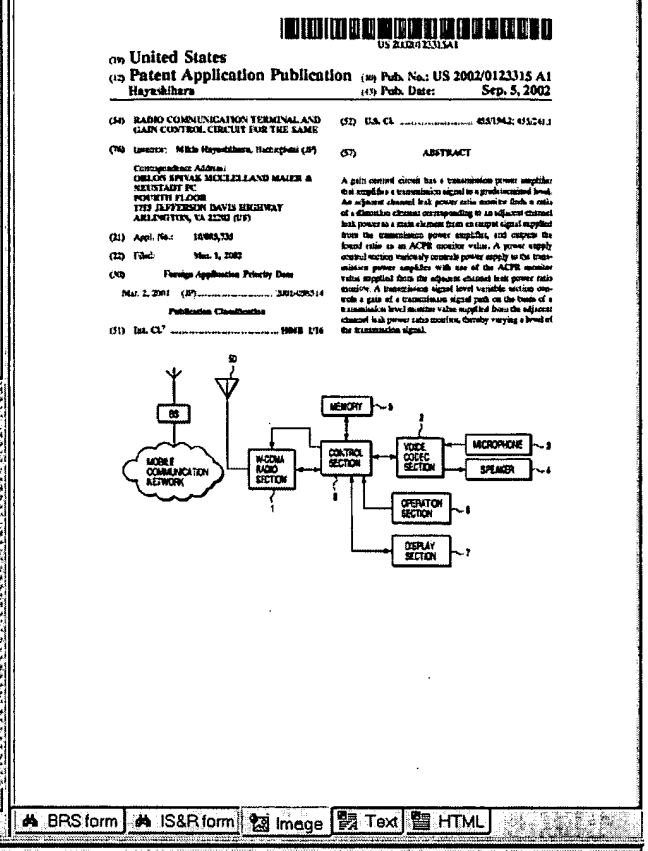
  - S1: (1) ("6115406").PN.
  - S2: (67447) "455"/$.ccls.
  - S3: (6168) S2 and (gain near3 control$4)
  - S4: (1816) S3 and ("power amplifier" or PA)
  - S5: (9) S4 and (power near5 ratio near5 monitor$3)
  - S6: (6) S5 and (variable near5 gain)
  - S7: (67447) "455"/$.ccls.
  - S8: (6168) S7 and (gain near3 control$4)
  - S9: (1816) S8 and ("power amplifier" or PA)
  - S10: (9) S9 and (power near5 ratio near5 monitor$3)
  - S11: (6) S10 and (variable near5 gain)
  - S12: (11750) (variable near3 gain) and (gain near3 control$4)
  - S13: (2435) S12 and ("power amplifier" or PA)
  - S14: (6) S13 and "second order distortion"



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(54) RADIO COMMUNICATION TERMINAL AND GAIN CONTROL CIRCUIT FOR THE SAME

(52) U.S. Cl. 455/194.2; 455/241.1

(76) Inventor: Mikio Hayashihara, Hachioji (JP)

(57) ABSTRACT

Correspondence Address:
OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC
FOURTH FLOOR
1755 JEFFERSON DAVIS HIGHWAY
ARLINGTON, VA 22202 (US)

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A gain control circuit has a transmission power amplifier that amplifies a transmission signal to a predetermined level. An adjacent channel leak power ratio monitor finds a ratio of a distortion element corresponding to an adjacent channel leak power to a main element from an output signal supplied from the transmission power amplifier, and outputs the found ratio as an ACPR monitor value. A power supply control section variably controls power supply to the transmission power amplifier with use of the ACPR monitor value supplied from the adjacent channel leak power ratio monitor. A transmission signal level variable section outputs a gain of a transmission signal path on the basis of a transmission level monitor value supplied from the adjacent channel leak power ratio monitor, thereby varying a level of the transmission signal.

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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current	Ret	Inventor	S
1	☐	☑	US 20020123315 A1	20020905	9	Radio communication terminal and gain control circuit for the same	455/194.2	455/241.1		Hayashihara, Mikio	☑

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